## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20020051106"	US-PGPUB; USPAT	OR	ON	2011/08/11 11:42
L2	203	525/25.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:31
L3	1231	525/100.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:32
L4	205	556/400.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:32
L5	324	524/488.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:32
L6	2192	524/495.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:33
L7	0	524/496ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:34
L8	456	524/497.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:34
L9	1491	524/496.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:34
L10	2774	(titanium near4 nitride near4 oxide) and (carbon near10 black)	US-PGPUB; USPAT	OR	ON	2011/08/11 12:34
L11	7	9 and 10	US-PGPUB; USPAT	OR	ON	2011/08/11 12:34
L12	172	(titanium near4 nitride near4 oxide) and (carbon near10 black) and (black near20 film) and (liquid near2 crystal)	US-PGPUB; USPAT	OR	ON	2011/08/11 12:35
L13	3371	524/588.ccls.	US-PGPUB; USPAT	OR	ON	2011/08/11 12:35
L14	0	12 and 13	US-PGPUB; USPAT	OR	ON	2011/08/11 12:35
L15	93	(titanium near4 nitride near4 oxide) and (carbon near10 black)	EPO; JPO; DERWENT	OR	ON	2011/08/11 12:35
L16	3	(titanium near4 nitride near4 oxide) and (carbon near10 black) and (black near10 film)	EPO; JPO; DERWENT	OR	ON	2011/08/11 12:35
S1	696	black adj composition	US-PGPUB; USPAT	OR	ON	2008/05/29 09:32
S2	636	organosilane near10 hydrolysis	US-PGPUB; USPAT	OR	ON	2008/05/29 09:33
S3	1	S1 and S2	US-PGPUB; USPAT	OR	ON	2008/05/29 09:33
S4	267	black near100 (organosilane)	US-PGPUB; USPAT	OR	ON	2008/05/29 09:33

S5	396086	amide or imide or urethane	US-PGPUB; USPAT	OR	ON	2008/05/29 09:33
S6	73	S4 and S5	US-PGPUB; USPAT	OR	ON	2008/05/29 09:33
S7	2663	(carbon-carbon adj double adj bond) and siloxane	US-PGPUB; USPAT	OR	ON	2008/05/29 09:46
S8	3	S4 and S7	US-PGPUB; USPAT	OR	ON	2008/05/29 09:46
S9	636	organosilane near10 hydrolysis	US-PGPUB; USPAT	OR	ON	2008/05/29 12:44
S10	267	black near100 (organosilane)	US-PGPUB; USPAT	OR	ON	2008/05/29 12:50
S11	267	black near100 (organosilane)	US-PGPUB; USPAT	OR	ON	2008/05/29 13:03
S12	104	black near100 (organosilane)	JPO; DERWENT	OR	ON	2008/05/29 13:12
S13	396086	amide or imide or urethane	US-PGPUB; USPAT	OR	ON	2008/05/29 13:12
S14	0	S12 and S13	JPO; DERWENT	OR	ON	2008/05/29 13:13
S15	31464	bis-3-(aminopropyl) tetramethylsiloxane	US-PGPUB; USPAT	OR	ON	2008/06/02 08:01
S16	21343	glycidyl adj methacrylate	US-PGPUB; USPAT	OR	ON	2008/06/02 08:01
S17	1977	S15 and S16	US-PGPUB; USPAT	OR	ON	2008/06/02 08:01
S18	1008	titanium adj black	US-PGPUB; USPAT	OR	ON	2008/06/02 08:01
S19	37	S17 and S18	US-PGPUB; USPAT	OR	ON	2008/06/02 08:01
S20	31205	(aminopropyl) tetramethylsiloxane	US-PGPUB; USPAT	OR	ON	2008/06/02 08:03
S21	91	S18 and S20	US-PGPUB; USPAT	OR	ON	2008/06/02 08:03
S22	1	"6441083"	US-PGPUB; USPAT	OR	ON	2008/06/02 08:09
S23	200911	glycidyl methacrylate	US-PGPUB; USPAT	OR	ON	2008/06/02 08:10
S24	1	S16 and S22	US-PGPUB; USPAT	OR	ON	2008/06/02 08:10
S25	0	"200143985"	US-PGPUB; USPAT	OR	ON	2008/06/02 08:18
S26	1	"200143985"	JPO; DERWENT	OR	ON	2008/06/02 08:18
S27	2	"2000143985"	JPO; DERWENT	OR	ON	2008/06/02 08:19
S28	1	"200129146"	JPO; DERWENT	OR	ON	2008/06/02 08:20
S29	4	"2000129146"	JPO; DERWENT	OR	ON	2008/06/02 08:21

S30	1	"5449714"	JPO; DERWENT	OR	ON	2008/06/02 09:11
S31	6	"5449714"	US-PGPUB; USPAT	OR	ON	2008/06/02 09:11
S32	40	"4293397"	US-PGPUB; USPAT	OR	ON	2008/06/02 09:13
S33	279	556/420	US-PGPUB; USPAT	OR	ON	2008/06/02 09:13
S34	33	("4293397").URPN.	USPAT	OR	ON	2008/06/02 09:16
S35	35	("3865588"   "4026826").PN. OR ("4293397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/02 09:16
S36	0	"56118751"	US-PGPUB; USPAT	OR	ON	2008/06/02 09:44
S37	2	"56118751"	JPO; DERWENT	OR	ON	2008/06/02 09:44
S38	2102083	Takeda chemical institute	JPO; DERWENT	OR	ON	2008/06/02 10:03
S39	24749074	Takeda chemical "institute." As	JPO; DERWENT	OR	ON	2008/06/02 10:03
S40	1	"7005475"	JPO; DERWENT	OR	ON	2008/06/02 10:06
S41	1	"7005475"	US-PGPUB; USPAT	OR	ON	2008/06/02 10:06
S42	8	"4634610"	US-PGPUB; USPAT	OR	ON	2008/06/02 10:08
S43	6	"546653"	US-PGPUB; USPAT	OR	ON	2008/06/02 10:09
S44	15	"5466532"	US-PGPUB; USPAT	OR	ON	2008/06/02 10:09
S45	1	"6177583"	US-PGPUB; USPAT	OR	ON	2008/06/02 10:13
S46	13	tetramethylene near10 siloxane	US-PGPUB; USPAT	OR	ON	2008/06/02 14:02
S47	696	black adj composition	US-PGPUB; USPAT	OR	ON	2008/06/02 15:26
S48	160	(ethylene adj glycol adj butyl adj ether) near10 solvent	US-PGPUB; USPAT	OR	ON	2008/06/02 15:27
S49	0	S47 and S48	US-PGPUB; USPAT	OR	ON	2008/06/02 15:27
S50	513058	black	US-PGPUB; USPAT	OR	ON	2008/06/02 15:27
S51	160	S48 and "5"	US-PGPUB; USPAT	OR	ON	2008/06/02 15:27
S52	84	S48 and S50	US-PGPUB; USPAT	OR	ON	2008/06/02 15:27
S53	197284	liquid adj crystal adj display	US-PGPUB; USPAT	OR	ON	2008/06/02 15:28
S54	0	S48 and S53	US-PGPUB; USPAT	OR	ON	2008/06/02 15:28

S55	266011	liquid adj crystal	US-PGPUB; USPAT	OR	ON	2008/06/02 15:28
S56	3	S48 and S55	US-PGPUB; USPAT	OR	ON	2008/06/02 15:28
S57	6	coat\$ with (ethylene adj glycol adj butyl adj ether) near10 solvent	US-PGPUB; USPAT	OR	ON	2008/06/02 15:29
S58	383	polyimide and (titanium adj black)	US-PGPUB; USPAT	OR	ON	2008/06/02 15:34
S59	0	S48 and S58	US-PGPUB; USPAT	OR	ON	2008/06/02 15:34
S60	1008	titanium adj black	US-PGPUB; USPAT	OR	ON	2008/06/02 15:34
S61	0	S48 and S60	US-PGPUB; USPAT	OR	ON	2008/06/02 15:35
S62	117	titanium adj nitride adj oxide	US-PGPUB; USPAT	OR	ON	2008/06/02 15:35
S63	0	S48 and S59	US-PGPUB; USPAT	OR	ON	2008/06/02 15:35
S64	0	S48 and S62	US-PGPUB; USPAT	OR	ON	2008/06/02 15:35
S65	1	(US-4162244-\$).did.	USPAT	OR	ON	2008/06/02 15:44
S66	11	"4208492"	US-PGPUB; USPAT	OR	ON	2008/06/02 16:05
S67	74	((MASAHIRO) near2 (YOSHIOKA)).INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:29
S68	18	((RYO) near2 (NAGASE)).INV.	EPO; JPO; DERWENT	NEAR	ON	2010/04/29 09:29
S69	33	((RYO) near2 (NAGASE)).INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:30
S70	5	((MASAYA) near2 (TSUJII)). INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:30
S71	7	((MASUICHI) near2 (EGUCHI)). INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:30
S72	1416	430/7.CCLS.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:33
S73	2241	349/106.CCLS.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:33
S74	1937	428/1.1.ccls.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:34
S75	7978	430/270.1.CCLS.	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:34
S76	15	(titanium adj nitride adj oxide) and acrylic and (x-ray or intensity)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:34
S77	1	S71 and S76	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:36
S78	1	S73 and S76	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:36

S79	1	S74 and S76	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:36
S80	0	(titainum adj nitride adj oxide)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:37
S81	148	(titanium adj nitride adj oxide)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:37
S82	1	S72 and S81	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/04/29 09:37
S83	280	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:31
S84	100	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio) and (black near10 film)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:32
S85	53	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio) and (black near10 film) and (optical adj density)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:32
S86	1	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio) and (black near10 film) and (optical adj density) and (titanium adj nitride adj oxide)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:32
S87	53	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio) and (black near10 film) and (optical adj density) and (titanium)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:32
S88	6	(liquid adj crystal adj display) and (solvent) and (acrylic adj resin) and (intensity near2 ratio) and (black near10 film) and (optical adj density) and (photoinitiator) and (photopolymerizable)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/21 14:35
S89	0	((ethylene adj glycol adj butyl adj ether) near5 solvvent) and (black adj composition)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 11:42
S90	0	((ethylene adj glycol adj butyl adj ether) near5 solvent) and (black adj composition)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 11:42
S91	1	((ethylene adj glycol adj butyl adj ether) near5 solvent) and (black near3 composition)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 11:42
S92	0	((ethylene adj glycol adj butyl adj ether) near5 solvent) and (black near10 matrix)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 11:44
S93	4	((methoxy near2 methyl near2 butanol) near5 solvent) and (black near10 matrix)	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 11:45

S94	10	"6582862"	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/12/22 12:04
S95	1	(carbon near5 black) and (titanic near2 acid near2 nitride) and (black near5 matrix) and (liquid near5 crystal near2 display)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:45
S96	1	(carbon near5 black) and (titanic near2 acid near2 nitride) and (black near5 matrix)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:45
S97	1892	(carbon near2 black) and (black near5 matrix) and (liquid near2 crystal near2 display)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:46
S98	1815	(carbon near2 black) and (black near2 matrix) and (liquid near2 crystal near2 display)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:46
S99	107	(carbon near2 black) and (black near2 matrix) and (liquid near2 crystal near2 display) and (titanium near2 nitride near2 oxide)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:46
S100	1815	(carbon near2 black) and (black near2 matrix) and (liquid near2 crystal near2 display)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:52
S101	525	(carbon near2 black) and (black near2 matrix) and (liquid near2 crystal near2 display) and (light near2 filter)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:53
S102	61	(carbon near2 black) and (black near2 matrix) and (liquid near2 crystal near2 display) and (light near2 filter) and (light near2 shield)	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 10:53
S103	0	"200200551106"	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 11:25
S104	1	"20020051106"	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 11:25
S105	0	S102 and S104	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 11:26
S106	1	"2000143985"	JPO	NEAR	ON	2011/08/10 14:07
S107	12	"455303"	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:16
S108	46	"4255303"	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:16
S109	68	((BENJAMIN) near2 (CHU)). INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 14:20
S110	2	(polyolefin) and (ionic near10 liquid) and (carbon near10 nanofiller)	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:21
S111	2	S109 and S110	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:21

S112	29	((BENJAMIN) near2 (HSIAO)). INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 14:23
S113	1794	(polyolefin) and (ionic near10 liquid) and (carbon)	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:23
S114	3	S112 and S113	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:23
S115	3	((HONGYANG) near2 (MA)). INV.	US-PGPUB; USPAT; USOCR	NEAR	ON	2011/08/10 14:24
S116	11	((BENJAMIN) near2 (CHU)). INV.	EPO; JPO; DERWENT	NEAR	ON	2011/08/10 14:26
S117	8	"1668651"	US-PGPUB; USPAT; JPO	NEAR	ON	2011/08/10 14:27
S118	1	"1668651"	EPO	NEAR	ON	2011/08/10 14:27
S119	9	"1668651"	US-PGPUB; USPAT; EPO	NEAR	ON	2011/08/10 14:27
S120	862	((NOBUYUKI) near2 (TANIGUCHI)).INV.	EPO; JPO; DERWENT	NEAR	ON	2011/08/10 14:29
S121	2	"20100286314"	US-PGPUB; USPAT; DERWENT	NEAR	ON	2011/08/10 14:31

## **EAST Search History (Interference)**

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